

ABSTRACT

Ether-capped poly(oxyalkylated) alcohol surfactants having superior grease cleaning abilities and improved spotting/filming benefits are provided. The alcohol surfactants have the formula:

$$RO(R^1O)_xR^2$$

wherein, R is selected from the group consisting of linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic hydrocarbon radicals having from about 1 to about 30 carbon atoms; R^1 may be the same or different, and is independently selected from the group consisting of branched or linear C_2 to C_7 alkylene in any given molecule; R^2 is selected from the group consisting of:

- (i) a 4 to 8 membered substituted, or unsubstituted heterocyclic ring containing from 1 to 3 hetero atoms;
- (ii) a 7 to 13 membered substituted, or unsubstituted polycyclic ring;
- (iii) a hydrocarbon of the formula:

$$--(CH_2)_y - X$$

- wherein, y is an integer from 1 to 7, X is a 4 to 8 membered substituted, or unsubstituted, saturated or unsaturated cyclic or aromatic hydrocarbon radical; and
- (iv) a hydrocarbon radical of the formula:

$$--C(CH_3)_2R^3$$

wherein R³ is selected from the group consisting of linear or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic hydrocarbon radicals having from about 1 to about 30 carbon atoms, provided that when R³ is methyl, R is branched;

wherein x is a number from 1 to about 30.

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